

APRIL/MAY 2023

DOAM43B — BIOSAFETY

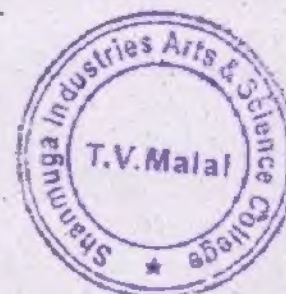
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define biosafety.
2. What is infectious agent?
3. Define LMO.
4. Define hazardous waste.
5. What is primary containment in biosafety?
6. What do the BSL levels mean?
7. Define disinfection.
8. What do you mean by decontamination?
9. What is RCGM?
10. What is the Cartagena Protocol?



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Give an illustrated account on biosafety issues in microbiology.

Or

- (b) What is epidemiology? Explain its uses and application.

12. (a) Write a brief note on application of GMO in the field of food and agriculture.

Or

- (b) List out the types of hazardous waste in biological labs. Explain its types.

13. (a) Categorize risk groups based on NIH guidelines.

Or

- (b) Explain in short Biological Safety cabinet.

14. (a) State the process of risk communication in brief.

Or

- (b) What is personal protective equipment? Explain it.

15. (a) Explain the roles and responsibilities of RCGM.

Or

- (b) Elaborate the term IBSC. Add note on its role.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss Standard microbiological Practices.

17. Explain bioterrorism and its types.

18. Summarize animal biosafety facilities in detail.

19. Write an essay on decontamination procedure.

20. Describe in detail the protocol for transportation of infectious substance.